

WATER CONSERVING AND CLEANING APPARATUS

Abstract of the Disclosure

The present water conserving and cleaning apparatus' major components include an essentially straight handle of several feet in length, with a hand grip in the vicinity of a distal end and a water flow control lever operably secured to a straight fixture removably secured to the hand grip. The handle is secured on the proximate end to a horizontal member in an inverted "T" configuration. A specific angle at which the handle is secured to the horizontal member is preferred for maximum comfort value for adults. The horizontal member includes a winged jet manifold fixably secured to the proximate end of the handle. The manifold includes a flow director which directs an air and water jet stream onto a surface to be cleaned. A rear wing, integral to the jet manifold, includes a two level cantilevered porch with specifically designed angles and heights to provide optimum air flow and a Venturi effect under the cleaning apparatus. A minimum of water is required when combined with an air stream to provide maximum pressure at a specific target angle to the surface to be cleaned. In addition, a cylindrical horizontal length of pipe is integrally manufactured into the manifold. Also, a plurality of spray nozzles are secured underneath the horizontal length of the cylinder at generally equally spaced intervals. Finally, on a rear side of the manifold is movably secured a plurality of wheels. Several embodiments

demonstrate design flexibility and adaptability to a variety of surface cleaning uses.

## GLOSSARY

1 waterbroom (prior art)  
2 pipe member (prior art)  
3 handle (prior art)  
5 4 nozzle (prior art)  
5 spray pattern (prior art)  
10 water conserving and cleaning apparatus  
12 straight handle  
14 hand grip  
15 ~ straight fixture  
16 distal end  
18 lever  
20 one end  
22 water hose  
15 24 proximate end  
26 jet manifold  
28 center  
30 cylinder  
32 forward wing  
20 34 rear wing  
36 plurality of spray nozzles  
36a slot

38	plurality of wheels
40	left end
42	right end
44	air flow
5	46 cantilevered porch
48	air and water jet stream
50	surface
52	water
54	$\delta_1$
10	56 upper porch
58	angle step
60	lower porch
62	$\delta_2$
64	$\delta_3$
15	66 $\delta_4$
68	distance "d"
	$L_1$
	$L_2$
70	forward edge
20	72 juncture

76 attachment mechanism

78 spray pattern

80 spray angle  $\delta_5$

82 water filter

5 84 base

86 annular ring

88 cone